

CROWELL & MORING, L.L.P.  
P.O. Box 14300  
Washington, D.C. 20044-4300  
(202) 624-2500  
PTO Customer No. 23911

September 9, 2003



**Mail Stop PATENT APPLICATION**  
Commissioner for Patents  
Washington, D.C. 20231

Re: New U.S. Patent Appln.  
Atty. Docket No.: 056207.52747US

Sir:

Transmitted herewith for filing is the patent application of:

**Takuya SHIRAISHI; Motoyuki ABE; Shuuichi SHIMIZU; and Masahiko HAYATANI**

entitled: **FUEL INJECTION VALVE AND CYLINDER INJECTION  
TYPE INTERNAL COMBUSTION ENGINE INSTALLING THE SAME**

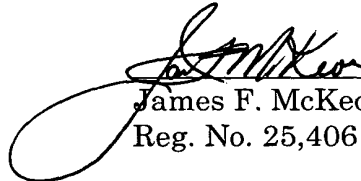
Enclosed are:

1. ☒ Specification, including claims 1 - 6 and abstract (31 pages total).
2. ☒ Ten sheets of formal drawings showing Figs. 1 - 15B.
3. ☒ Executed Declaration and Power of Attorney.
4. ☒ Application Data Sheet.
5. ☒ Assignment of the invention to Hitachi, Ltd.
6. ☒ Certified copy of Priority Document Nos. 2002-262213 filed in Japan on September 9, 2002, and 2003-126587 filed in Japan on May 1, 2003, the priority of which is being claimed under 35 USC §119 and 37 CFR §1.55.
7. ☒ Information Disclosure Statement, Form PTO-1449 and two references.
8. ☐ Applicant claims Small Entity Status. (See 37 CFR §1.27.)
9. ☒ Preliminary Amendment.
10. ☒ The filing fee has been calculated as shown below. Please enter the Preliminary Amendment prior to calculating the claims fees:

Basic Fee							\$375/750	=	\$750.00
Total Claims	12	-	20	=	0	x	\$9/18	=	\$
Independent Claims	4	-	3	=	1	x	\$42/84	=	\$84.00
Multiple Dependent Claim Presented							\$140/280	=	\$
<b>Total Filing Fee</b>									<b>\$834.00</b>

Checks in the amount of \$750.00 for the filing fee, \$84.00 for the extra claim fee, and \$40.00 for the assignment recording fee are enclosed. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 05-1323 (Docket #056207.52747US). A duplicate copy of this sheet is enclosed.

Respectfully submitted,

  
James F. McKeown  
Reg. No. 25,406

JFM/acd